

Claims

1. A self oscillating audio Class D amplifier, comprising

(a) a detector for receiving a control signal and producing a digital waveform switching signal to activate one of a pair including a positive switch and a negative switch to correct gain produced by the Class D amplifier;

5 (b) an output stage including a positive switch and a negative switch, said output stage receiving said switching signal and activating one of said switches to produce a digital driving signal;

10 (c) an output filter to receive said digital driving signal, remove switching noise and provide an amplified audio analog output signal to drive a load;

(d) an error amplifier circuit to

15 (i) receive said amplified analog output signal and compare said output signal to said input audio signal for gain-correction purposes, and

(ii) produce said control signal.

Add 427 add B17 add C17
Add D17